

EPA Region 2 Caribbean Science Consortium/Non-PRASA  
Systems Workshop  
September 11, 2014

# *CAÑO MARTÍN PEÑA HEALTH PROFILE*

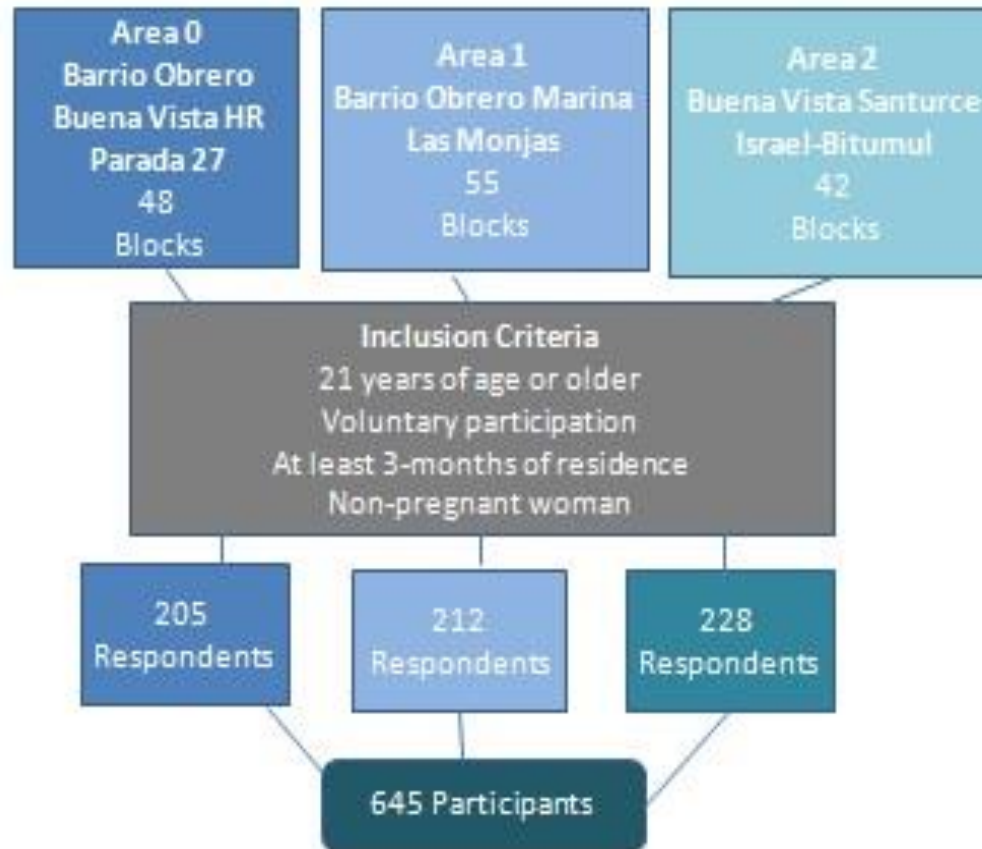
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Sciences



# INTRODUCTION

- **PROBLEM:** CMP residents perceive their health is being affected by environmental factors, but don't have evidence about the frequency of health conditions.
- **AIMS:** Estimate the prevalence of diseases among the residents of the communities surrounding the CMP.
  - Women
  - Children
- **METHODS:** Cross-sectional study
- **DATA COLLECTION:** Questionnaire
- **SAMPLE:**
  - 645 Participants/Households
  - 409 Women
  - 180 residents 21 years or older

# SAMPLE



# SOCIO-DEMOGRAPHIC CHARACTERISTICS AMONG RESIDENTS CAÑO MARTÍN PEÑA, 2012

DEMOGRAPHIC VARIABLES		FREQUENCY (n)	PERCENT (%)
Sex	Female	409	64.3
	Male	226	35.7
Age	21 – 49	223	35.5
	50 - 64	212	33.7
	≥ 65	194	30.8
Country of Origin	Puerto Rico	447	70.5
	Dominican Republic	167	26.3
	United States	16	2.5

# SOCIO-DEMOGRAPHIC CHARACTERISTICS AMONG RESIDENTS CAÑO MARTÍN PEÑA, 2012

DEMOGRAPHIC VARIABLES		FREQUENCY (n)	PERCENT (%)
Monthly Income	<1,000	265	57.5
	≥1,000	203	43.3
Health Plan	None	120	19.4
	Public	243	39.2
	Private	150	24.2
	Medicare	82	13.2
	Other	20	3.2

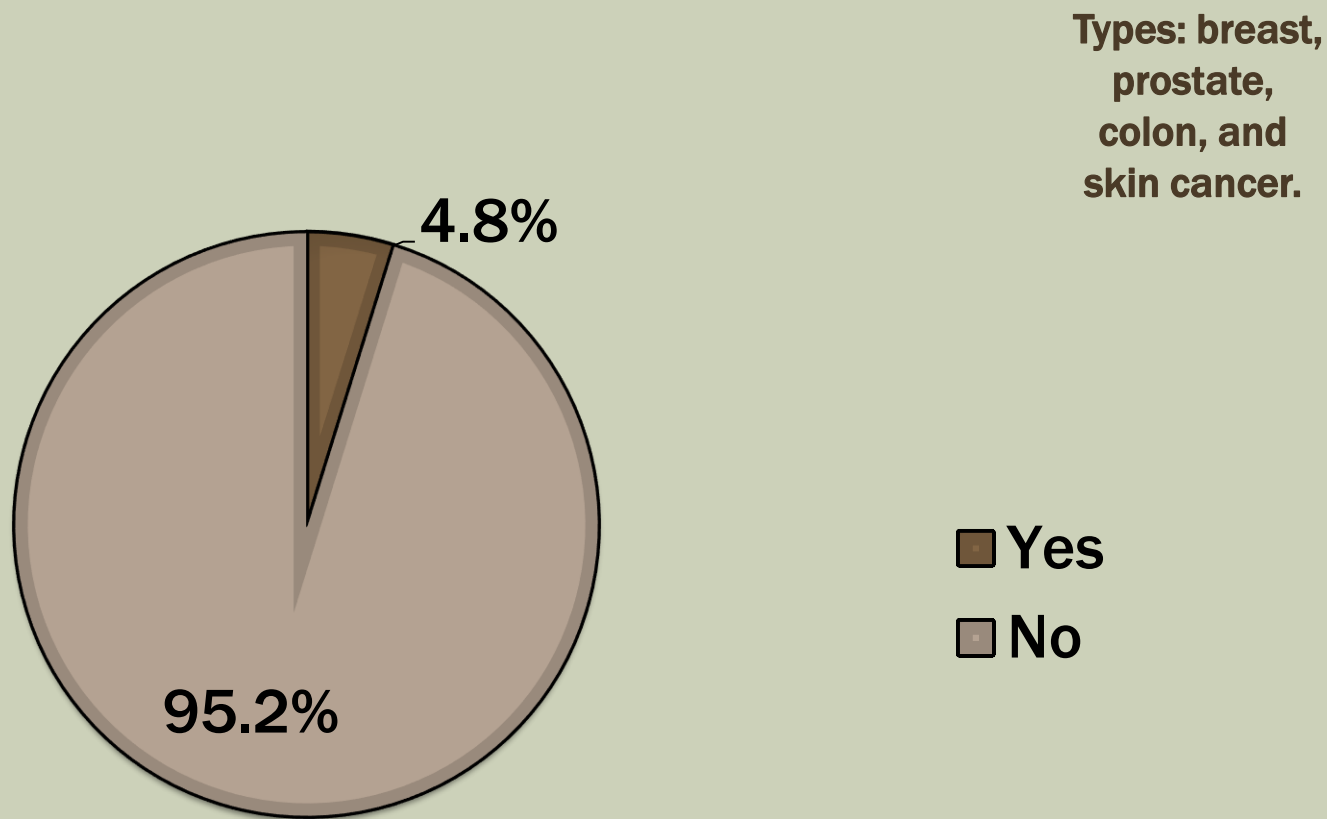
# **RESPIRATORY CONDITIONS LIFETIME PREVALENCE AMONG RESIDENTS CAÑO MARTÍN PEÑA**

<b>Conditions</b>	<b>PERCENT (%)</b>
<b>Allergies</b>	<b>23.6</b>
<b>Asthma</b>	<b>16.6</b>
<b>Bronchitis</b>	<b>10.5</b>

# **CARDIOVASCULAR DISEASE LIFETIME PREVALENCE AMONG RESIDENTS CAÑO MARTÍN PEÑA**

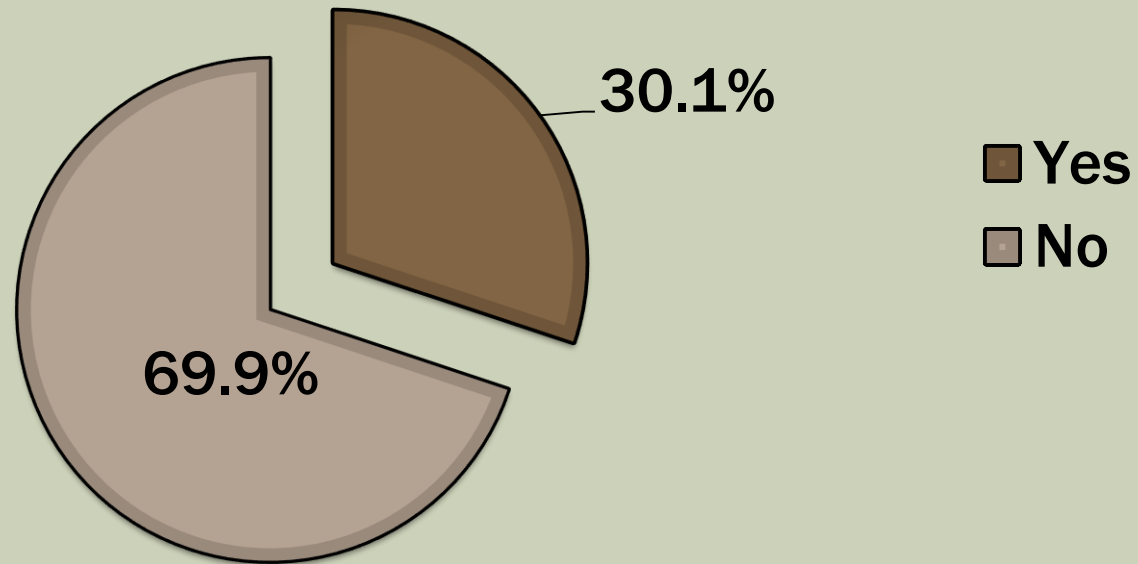
<b>Cardiovascular Diseases</b>	<b>(%)</b>
<b>Hypertension</b>	<b>36.7</b>
<b>Heart Disease</b>	<b>10.1</b>

# CANCER LIFETIME PREVALENCE AMONG THE RESIDENTS IN COMMUNITIES SURROUNDING THE CAÑO MARTÍN PEÑA

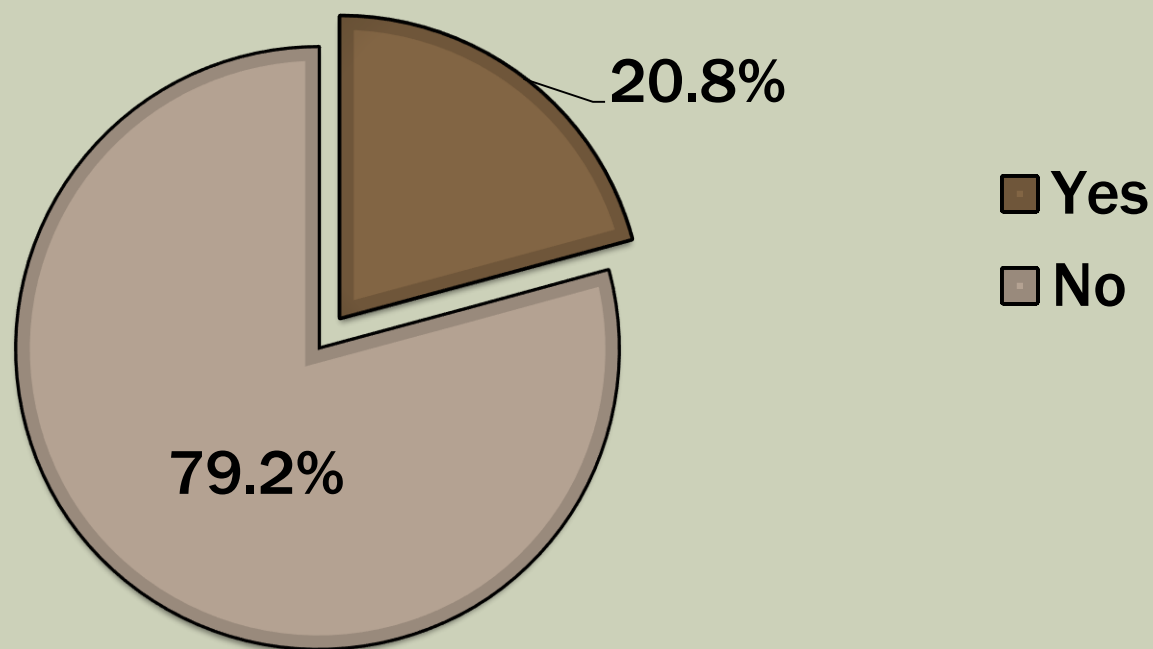




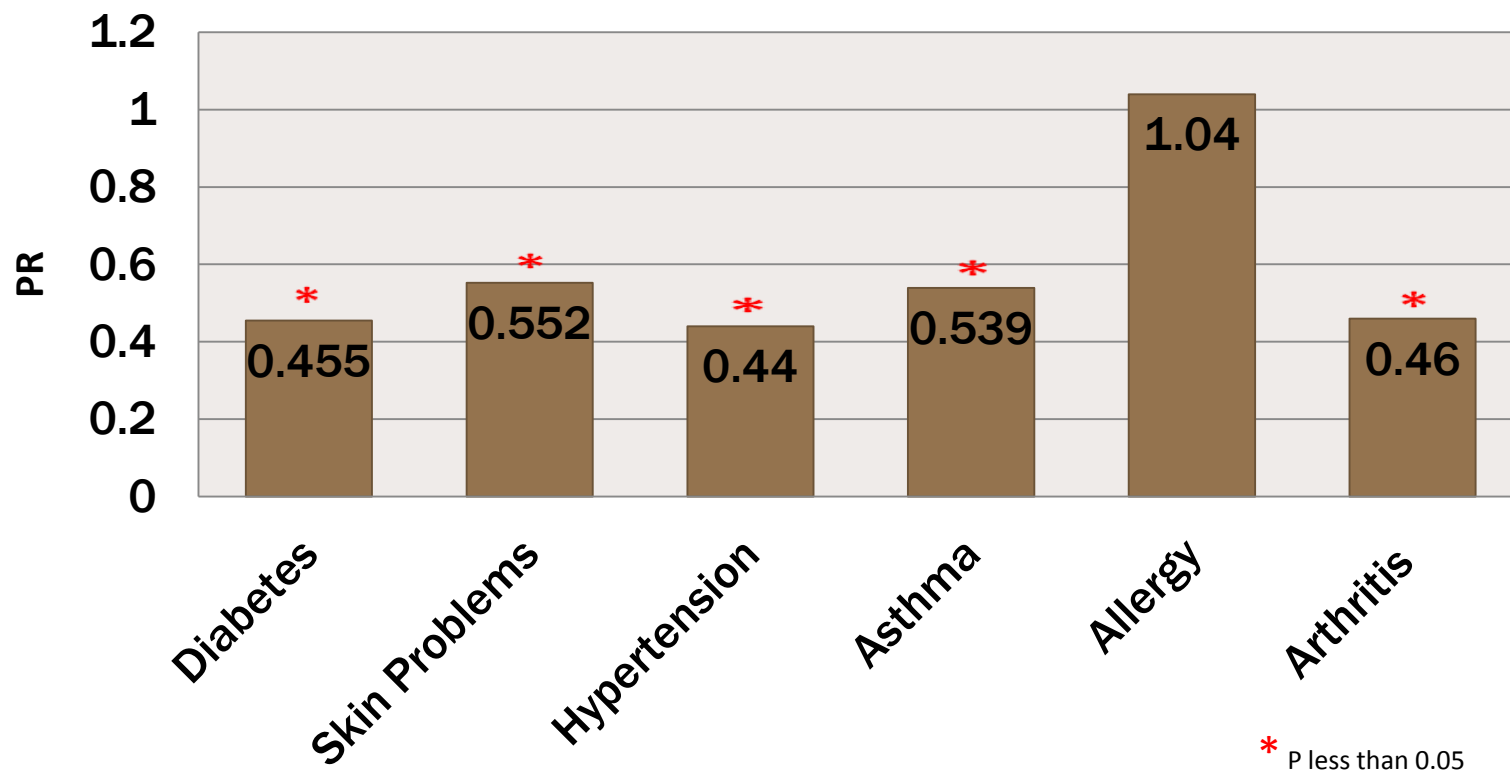
# ARTHRITIS LIFETIME PREVALENCE AMONG THE RESIDENTS IN COMMUNITIES SURROUNDING THE CAÑO MARTÍN PEÑA



# DIABETES LIFETIME PREVALENCE AMONG THE RESIDENTS IN COMMUNITIES SURROUNDING THE CAÑO MARTÍN PEÑA

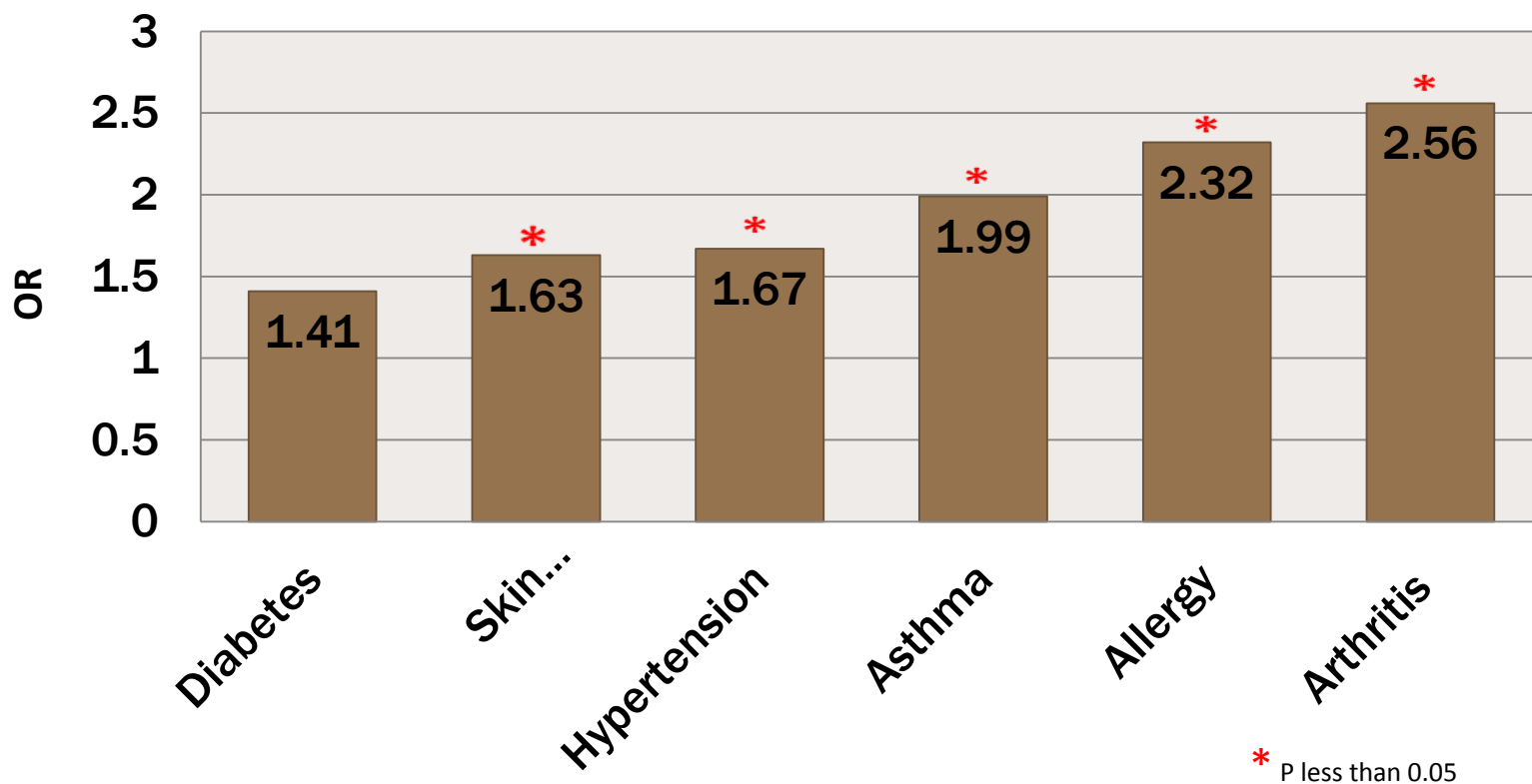


# ASSOCIATION BETWEEN INCOME AND HEALTH CONDITIONS



< \$1,000 monthly is the reference category

# ASSOCIATION BETWEEN SEX AND HEALTH CONDITIONS



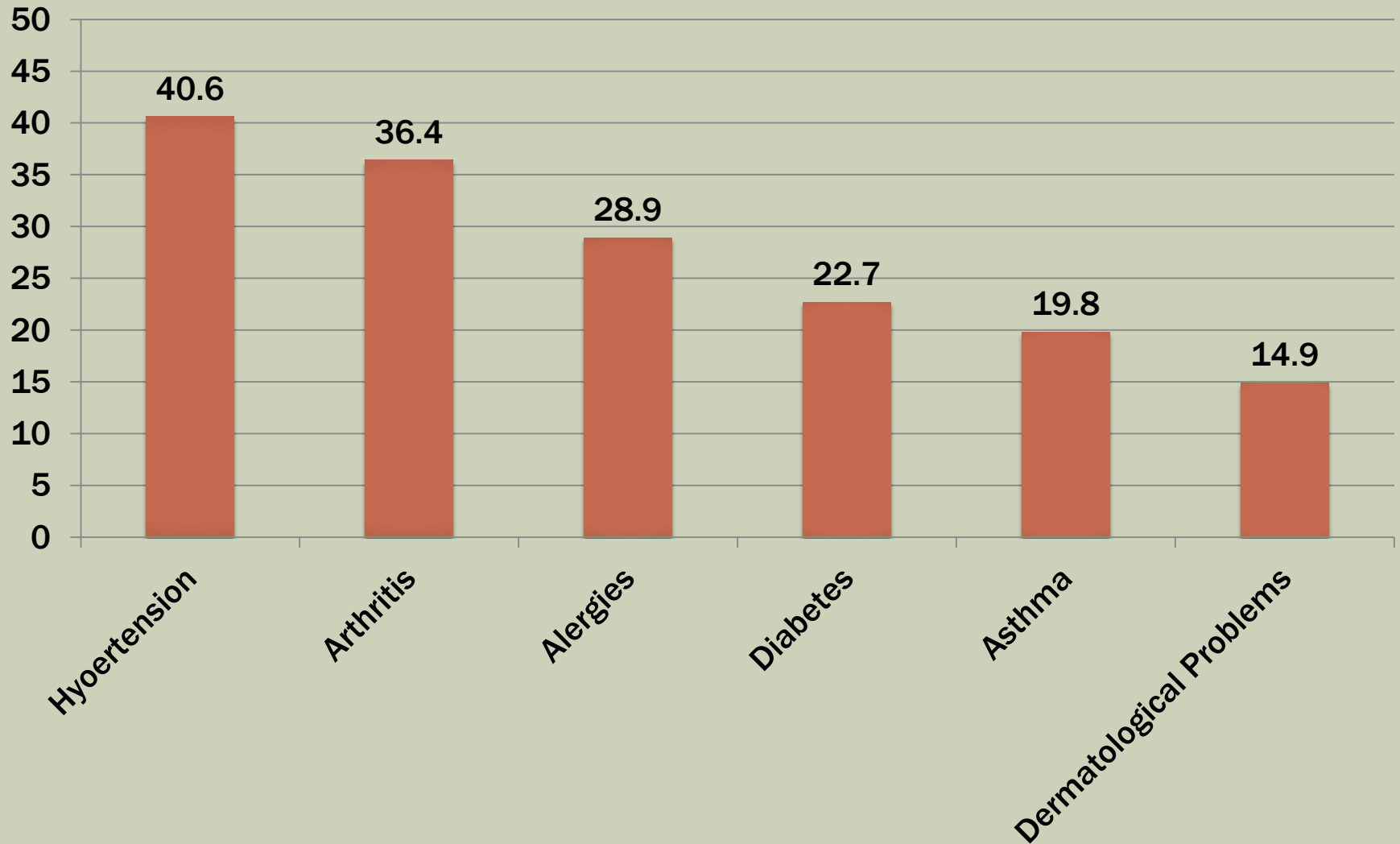
Male is reference category

# KEY POINTS

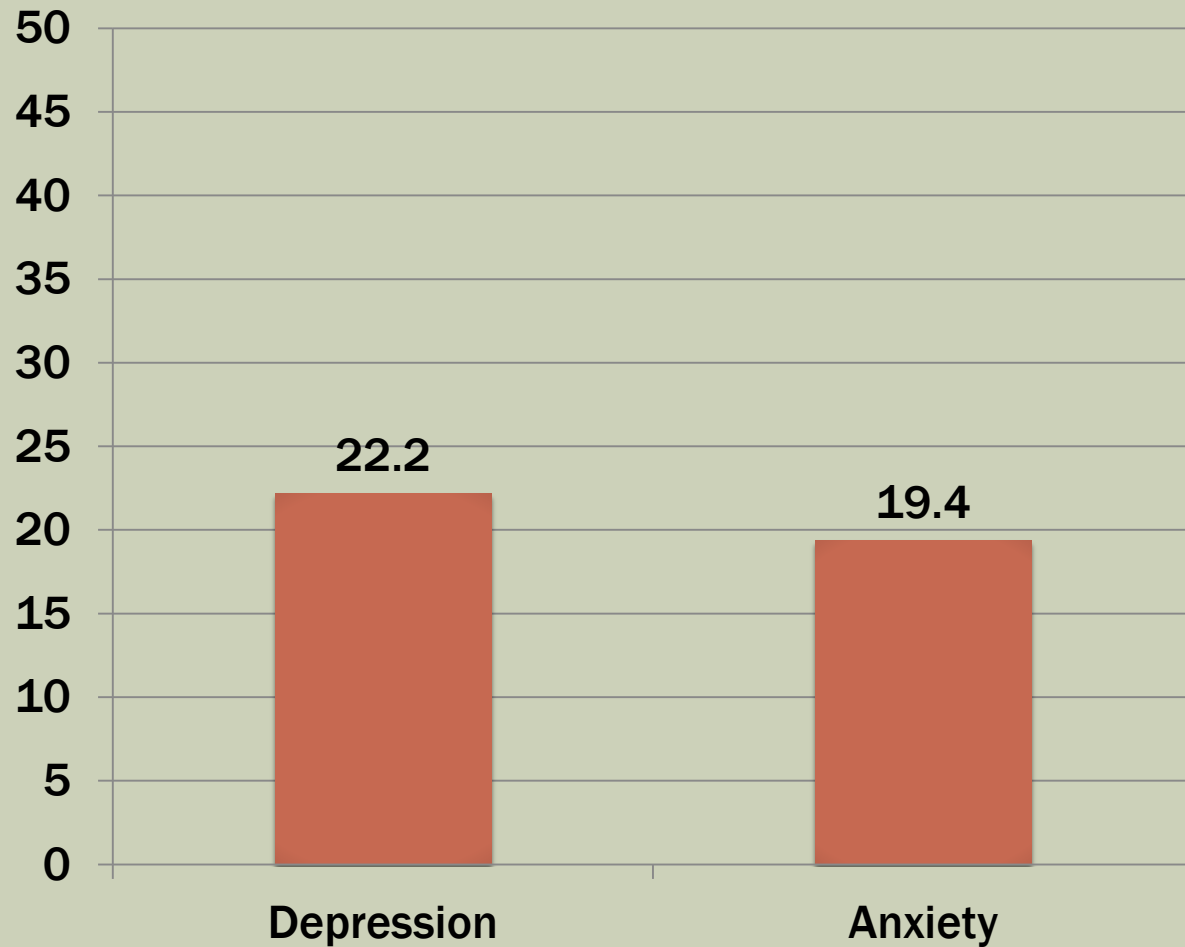
- **Highest lifetime prevalence in the CMP**
  - Hypertension (36.7%),
  - Arthritis (30.1%),
  - Allergies (23.6%)
  - Diabetes (20.8%)
    - Diabetes in CMP is higher than the Puerto Rico prevalence (12.5%) reported by the PR Department of Health in 2007.
- **Arthritis in CMP is higher than the prevalence (18%) in Puerto Rico reported by the BRFSS in 2003.**
- **Women showed they have more probability of having Arthritis and Allergies.**
- **Residents with incomes < \$1,000, have more probability of having health conditions**

# HEALTH INFORMATION: WOMEN

## Lifetime Prevalence of Health Condition among Women in Communities Surrounding the Caño Martín Peña



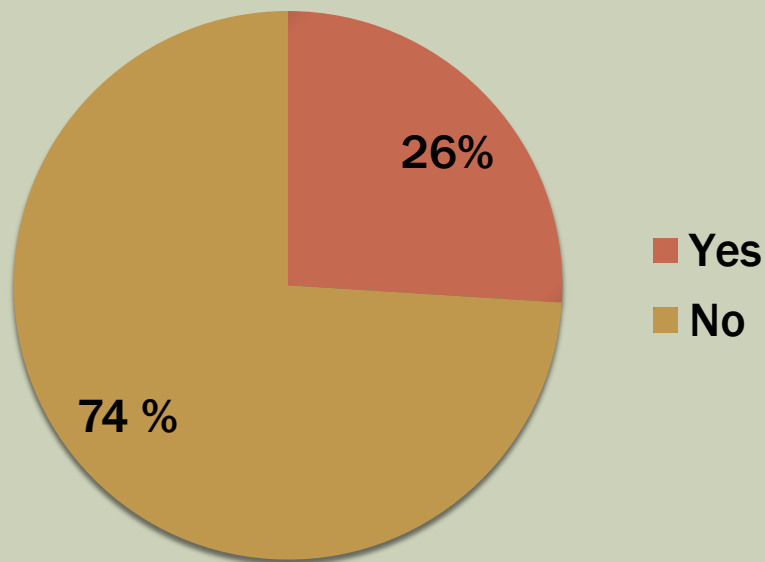
## Lifetime Prevalence of Mental Health Condition among Women



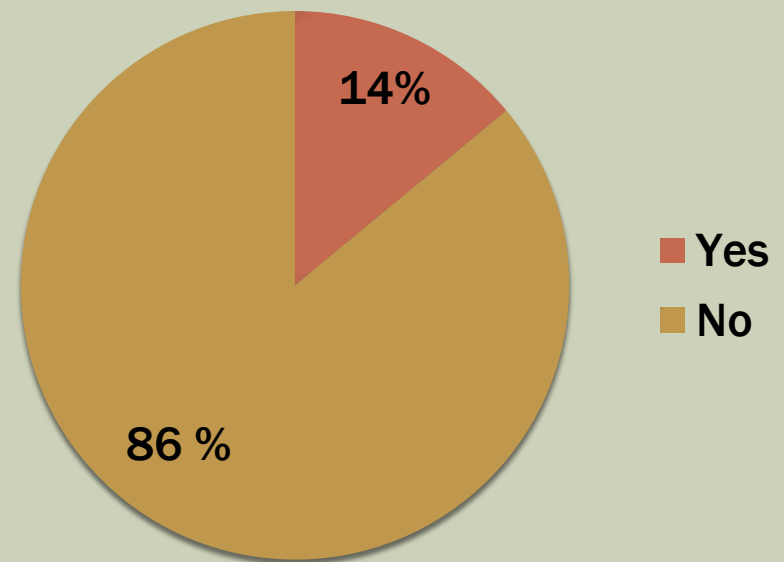


# LIFETIME PREVALENCE OF REPRODUCTIVE HEALTH CONDITIONS AMONG WOMEN CAÑO MARTÍN PEÑA, 2012

## Miscarriage



## Premature Births

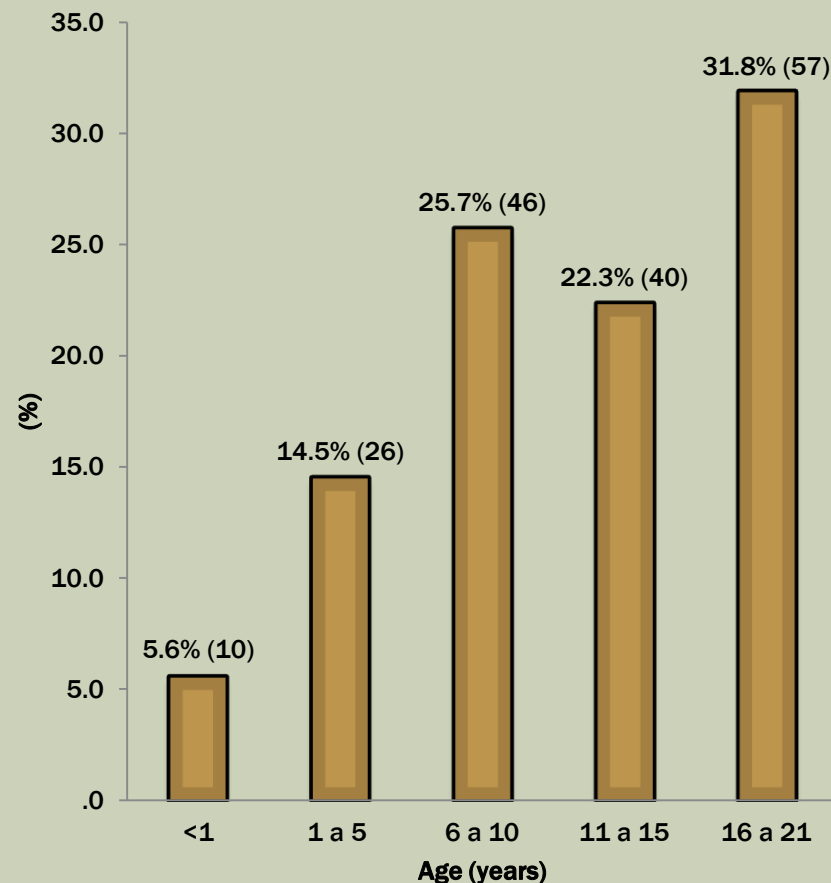
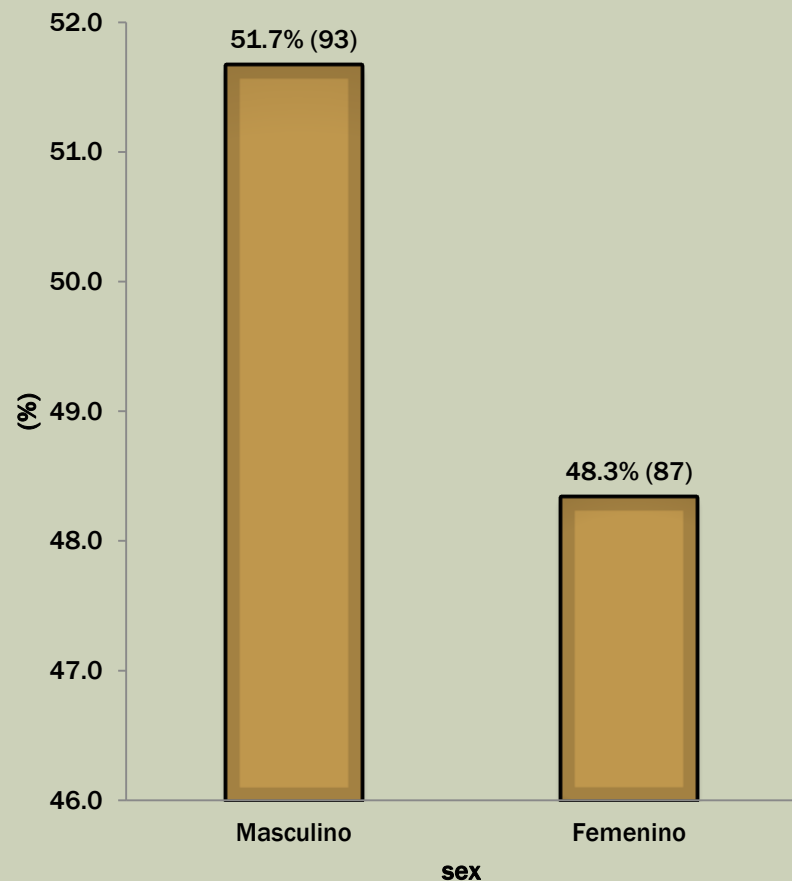


# HEALTH PROFILE: RESIDENTS 21 YEARS OR YOUNGER

96  
household  
s

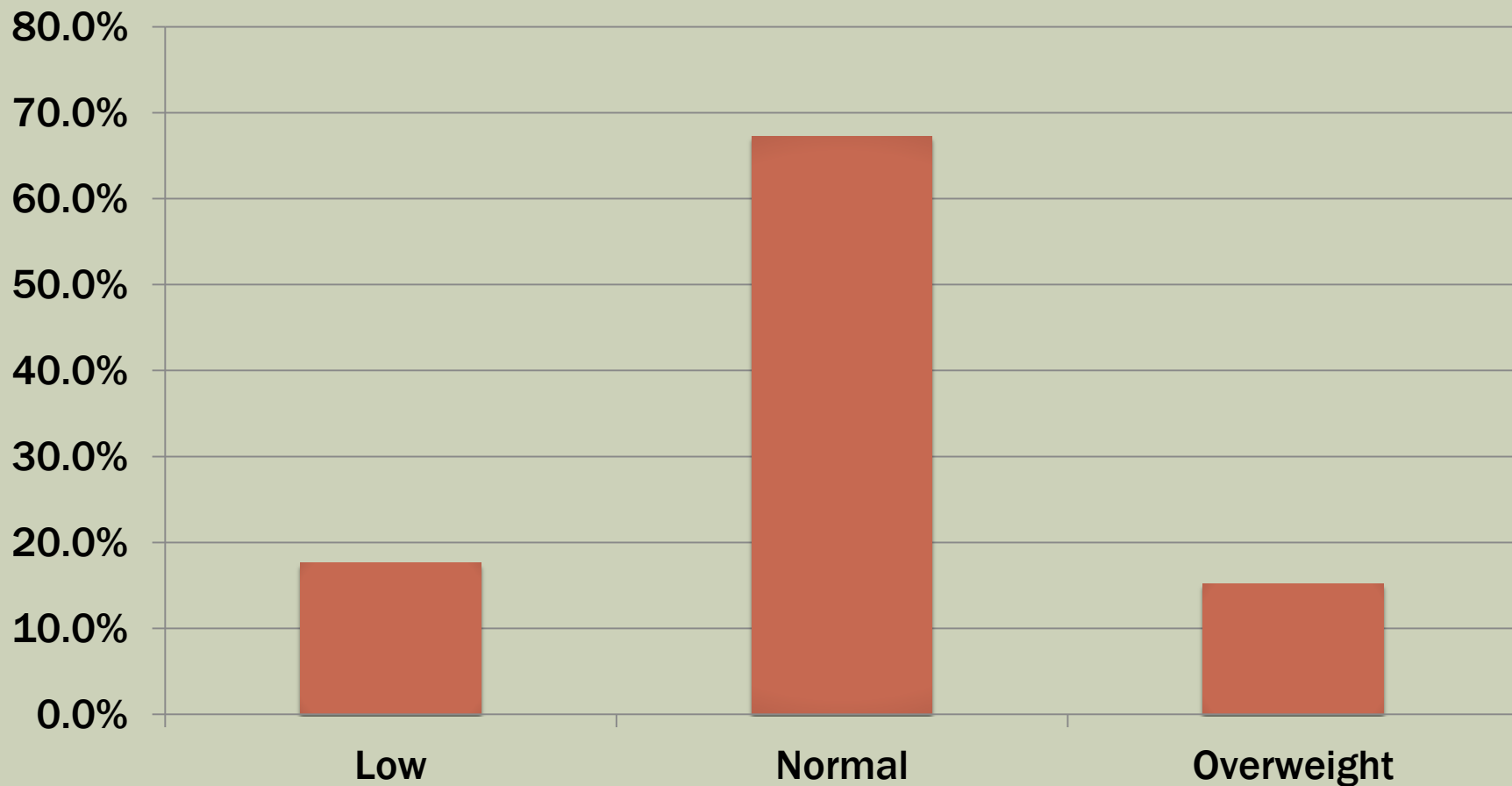
180  
residents  
21 years  
or younger

# SOCIO-DEMOGRAPHIC CHARACTERISTICS AMONG CRESIDENTS 21 YEARS OR YOUNGER CAÑO MARTÍN PEÑA, 2012

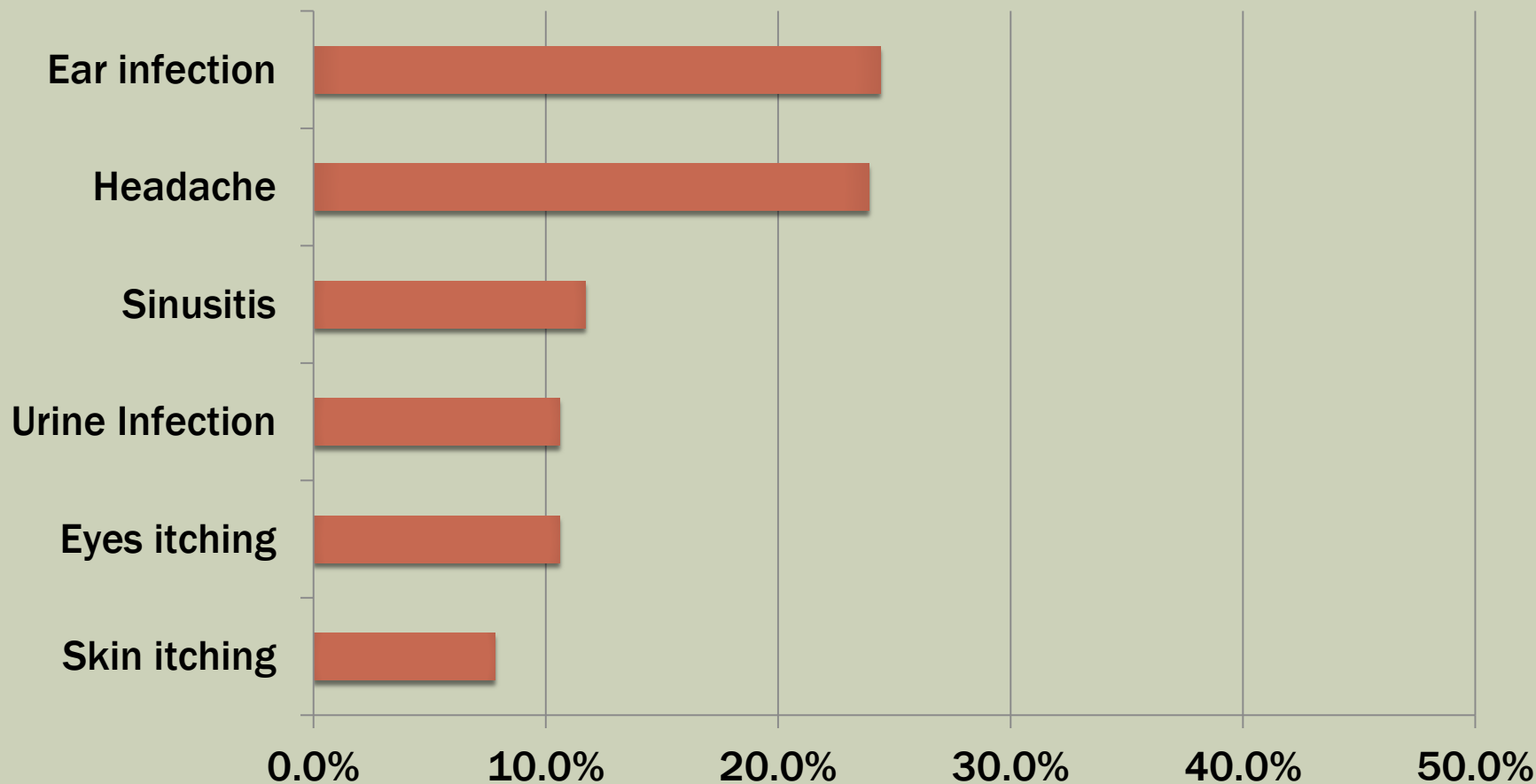


# BIRTH WEIGHT AMONG RESIDENTS 21 YEARS OR YOUNGER

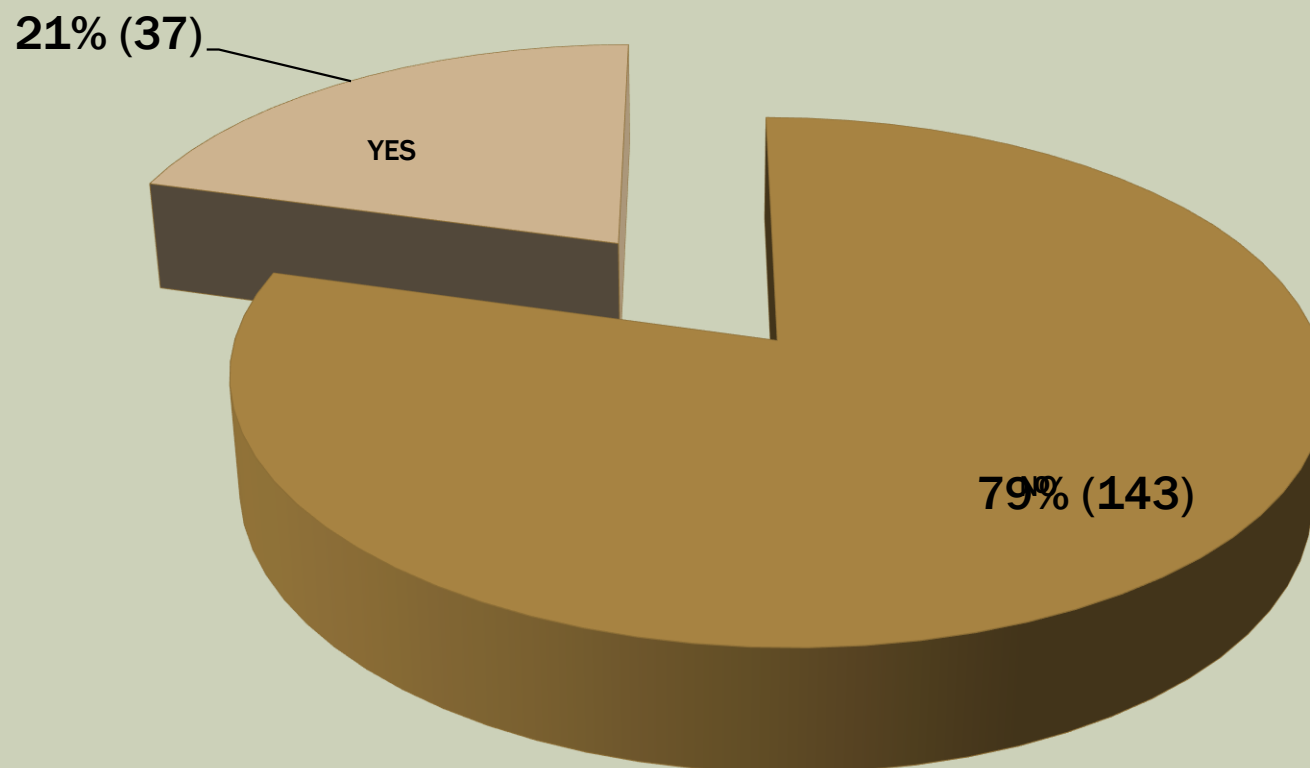
## CAÑO MARTÍN PEÑA, 2012



# SYMPTOMALOGY LIFETIME PREVALENCE AMONG RESIDENTS 21 YEARS OR YOUNGER CAÑO MARTÍN PEÑA, 2012



# GASTROINTESTINAL LIFETIME PREVALENCE AMONG RESIDENTS 21 YEARS OR YOUNGER CAÑO MARTÍN PEÑA, 2012



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- ***ENLACE***
- ***PH PSMHS students***
- ***EPA***

# QUESTIONS?

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